

Figure 1: X-ray diffraction patterns of tallow methyl dihydroxyethylammonium montmorillonite expanded with F16 6763 and containing (A) 60% clay and (B) 40% clay. X-ray reflections at 3.2 and 2.2 nm correspond to the fully expanded organoclay and partially expanded organoclay, respectively.

Figure 2

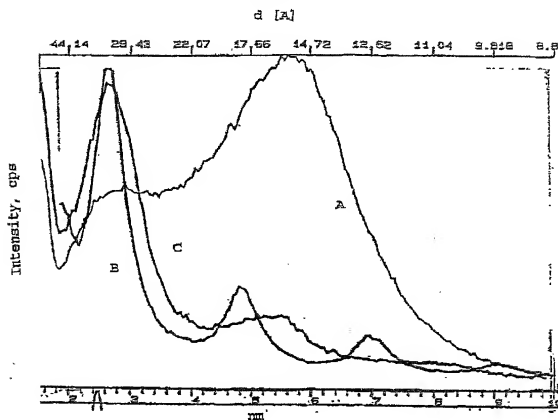


Figure 2. X-ray diffraction patterns of octadecyltrimethylammonium montmorillonite expanded with AQ 55 from water and containing (A) 10% clay, (B) 20% clay, and (C) 55 % clay. X-ray reflections greater than 3.0 nm correspond to the fully expanded organoclay.